

Atty Docket No.: 74120-301394  
Serial No.: 09/855,156

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**AMENDMENT**

**In the Claims:**

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently Amended) A method of testing voice call quality in a Voice Over Internet Protocol (VOIP) network comprising:  
enabling a communications device connected to the VOIP network to answer a test call received over the VOIP network by playing a voice file;  
generating [[a]] the test call over the VOIP network to the communications device; and  
measuring voice call listening quality from the voice file played by the communications device.
2. (Original) The method of claim 1, wherein the communications device is a VOIP gateway.
3. (Original) The method of claim 1, wherein measuring comprises:  
measuring the voice call listening quality using a perceptual test model.
4. (Original) The method of claim 3, wherein the perceptual test model comprises Perceptual Analysis Measurement System (PAMS).
5. (Original) The method of claim 3, wherein the perceptual test model comprises Perceptual Speech Quality Measurement (PSQM).

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6. (Original) The method of claim 1, wherein enabling comprises:  
configuring the communications device to use an interactive response unit within the communications device to answer the test call.
7. (Original) The method of claim 1, wherein generating comprises:  
controlling a test probe to place the test call to the communications device.
8. (Original) The method of claim 7, wherein measuring comprises:  
using the test probe that placed the test call to measure the voice call listening quality.
9. (Original) The method of claim 8, wherein the test probe is connected to the VOIP network over an IP connection.
10. (Original) A method of testing voice call quality in a Voice Over Internet Protocol (VOIP) network comprising:  
enabling communications devices connected to the VOIP network to answer test calls received over the VOIP network by playing embedded voice files;  
controlling a single test probe to generate test calls over the VOIP network to the communications devices; and  
using the single test probe to measure the voice call listening quality from the embedded voice files played by the communications devices.
11. (Original) The method of claim 10, wherein the communications devices include a VOIP gateway.
12. (Original) The method of claim 11, wherein the communications devices further include a VOIP telephone.
13. (Original) A computer program product residing on a computer readable medium for testing voice quality in a Voice Over Internet Protocol (VOIP) network, comprising instructions causing a computer to:

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enable a communications device connected to the VOIP network to answer a test call received over the VOIP network by playing a voice file;

generate a test call over the VOIP network to the communications device; and  
measure voice listening quality from the voice file played by the communications device.

14. (New) A voice call listening quality testing system comprising:

a plurality of Voice Over Internet Protocol (VOIP) gateways deployed at various points along a border of a VOIP network, each of the plurality of VOIP gateways including an Interactive Voice Response (IVR) unit operable, responsive to receipt of test calls over the VOIP network by the VOIP gateway, to answer the test calls by playing an embedded voice file; and

a test probe coupled to the VOIP network, the test probe configured to test voice call listening quality in the VOIP network by

generating test calls to each of the plurality of VOIP gateways,

recording the embedded voice files played by each of the plurality of VOIP gateways, and

measuring voice listening quality of the test calls by comparing the recorded embedded voice files to a reference voice file stored within the test probe.

15. (New) A method of testing voice call quality in a Voice Over Internet Protocol (VOIP) network comprising:

a step for generating a test call to a communications device;

a step for answering the test call by playing a voice file with the communications device; and

a step for measuring voice call listening quality of the voice file.